Mathematics

Module-7-

2025-2026

وزارة التربية و التعليم

Term-3

Rational Functions and Relations

AL-QUDRA SCHOOL

MR-Rachid K

Objectives

- Simplify rational expressions
- Simplify rational expressions by multiplying and dividing

وزارة التربية والتعليم
MINISTRY OF EDUCATION

The distance learning class is considered as a regular class, therefore regular rules applies:

يَتوجّب عليك عزيزي الطالب

sit in a suitable learning environment

الجلوس في مكان مناسب للتعلم

no food/ drink during the lesson

عدم الأكل أو الشرب اثناء الحصه

No food allowed

get ready for the class by preparing course books, note books and other materials

تجهيز الكتاب والدفتر واحضار الأدوات اللازمة

respect your teachers and don't disturb them

احترام المعلم وعدم التشويش على الحصة

Do not leave the class during the lesson

عدم ترك الحصة اثناء الدرس

Use proper language

عدم تبادل الكلمات الغير مناسبة

#%!&

protect your laptop from any damages

الالتزام بالمحافظة على جهاز اللاب توب

Be aware of 'online learning' timetable

معرفة جدول وأوقات الحصص الإلكترونية

make sure that you have efficient connectivity beforehand

التأكد من جاهزية الاتصال قبل الحصة

dress code is required

الالتزام باللبس المحتشم

https://www.youtube.com/watch?v=M8ArIT7u4Fg

K-RACHID

LIVE**LIVEWORKSHEETS**

Grade 12 GEN	Mathematics	Today's Vocabulary
Lesson Title: Lesson 7-1	Module-7- 2025-2026	rational expression
Multiplying and Dividing Rational Expressions	وزارة التربية و التعليم Rational Functions and Relations	complex fraction
	Term-3 MR-Rachid K	

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Example 1: simplify

$$\frac{15}{12} = \frac{5 \times}{4 \times} = \underline{\quad}$$

$$\frac{20}{8} = \frac{5 \times}{4 \times} = \underline{\quad}$$

use the same process to simplify a rational expression.

$$\frac{xy}{xt} = \underline{\quad}$$

$$\frac{mn}{3n} = \underline{\quad}$$

$$\frac{xx}{5x} = \underline{\quad}$$

$$\frac{x^2}{4x} = \underline{\quad}$$

The expression is undefined when the denominator is equal to **0 or 1**

$$\frac{7}{0} = \dots$$ **exist or not exist**

use calculator

Grade 12 GEN

Lesson Title: Lesson 7-1
Multiplying and Dividing Rational Expressions

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Today's Vocabulary

rational expression
complex fraction

Simplify each expression

1) $-\dfrac{6x^3}{2x^2}$

2) $\dfrac{16r^2}{6r^3}$

3) $\dfrac{16p^2}{2p}$

4) $\dfrac{2n^2}{4n}$

5) $-\dfrac{7n^2}{28n}$

6) $\dfrac{15n}{30n^3}$

7) $\dfrac{r-2}{r-2}$

8) $\dfrac{a-10}{a-10}$

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